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Part of Speech Tagging

REVIEW **CODE REVIEW** HISTORY **Meets Specifications**

Great work!

You meet all requirements of rubric and your work shows your effort and understanding of concepts.

Keep Learning and Best of Luck!

General Requirements

- Includes HMM Tagger.ipynb displaying output for all executed cells
- Includes HMM Tagger.html , which is an HTML copy of the notebook showing the output from executing all cells

The submission includes:

- HMM Tagger.ipynb
- HMM Tagger.html



Submitted notebook has made no changes to test case assertions

Baseline Tagger Implementation

Emission count test case assertions all pass.

- The emission counts dictionary has 12 keys, one for each of the tags in the universal tagset
- "time" is the most common word tagged as a NOUN

Well Done!

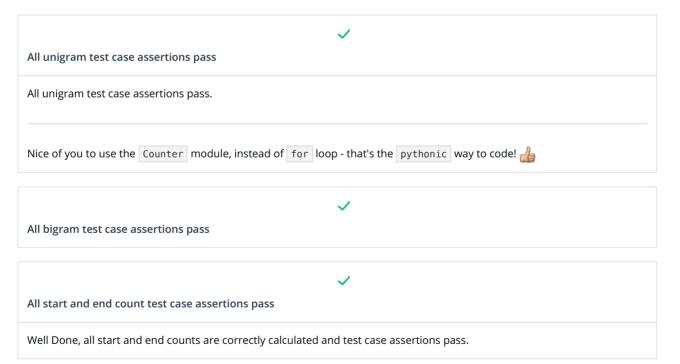
- Emission counts dictionary has 12 keys.
- And "time" is the most common word tagged as NOUN.

- >95.5% accuracy on the training sentences
- 93% accuracy the test sentences

The Baseline MFC tagger passes all test case assertions and the accuracy on training & test sentences is above the threshold value of 95.5% and 93% respectively.

Baseline MFC tagger passes all test case assertions and produces the expected accuracy using the universal tagset.

Calculating Tag Counts



Basic HMM Tagger Implementation

All model topology test case assertions pass

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Basic HMM tagger passes all assertion test cases and produces the expected accuracy using the universal tagset.

- >97% accuracy on the training sentences
- >95.5% accuracy the test sentences

The Basic HMM tagger passes all test case assertions and the accuracy on training & test sentences is above the threshold value of 97% and 95.5% respectively.

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